

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A storage system comprising at least one host computer, at least one storage device for providing a memory device to said host computer, and a management computer for managing said storage device, wherein

said management computer comprises:

means for acquiring in advance from said host computer storage configuration information that said host computer has, said storage configuration information comprising a logical volume identifier, a host computer identifier, a disk name, and a pair volume type recognized by said host computer; and

change notification means for generating change information for changing said storage configuration information that was acquired in advance and posting it to said host computer; and

said host computer comprises means for instructing a change of configuration to said storage device based on said change information posted from said management computer,

wherein said host computer uses said disk name and said logical volume identifier to send a read command and a write command relative to data inside a logical volume of said storage device,

wherein said management computer, based on information related to a pair logical volume selected by a user, generates a configuration setup file related to said pair volume type, said host computer identifier, and said disk name, and sends said configuration setup file to at least one host computer related to said generated configuration setup file,

wherein said management computer, subsequent to transmitting said configuration setup file, instructs said host computer, which is set in the configuration setup file so as to be associated with a primary logical volume, to generate a copy of said pair logical volume,

wherein said host computer, after receiving said instruction to generate said copy, instructs said storage device to commence copying from said primary logical volume to a secondary logical volume on a basis of the contents of said configuration setup file, and

wherein said management computer, subsequent to receiving a copying-complete report from said storage device, requests configuration information from inside said storage device and updates said storage configuration information based on said configuration information received in response to said request, the updated storage configuration information being related to the pair volume type inside the storage device.

2. (original) The storage system according to claim 1, wherein said change information comprises first change information for preparing configuration changes of said storage device and second change information for executing the configuration changes prepared by said first change information;

said change notification means comprises:

first notification means for posting said first change information to said host computer; and

second notification means for posting said second change information to said host computer;

said host computer comprises preparation means for preparing the configuration change to said storage device by generating configuration setting information based on said first change information; and

execution instruction means for instructing the configuration change to said storage device based on said second change information and said generated configuration setting information.

3. (previously presented) The storage system according to claim 2, wherein

said host computer is provided in a plurality;

said first notification means posts said first change information to each said host computer;

said second notification means posts said second change information to a prescribed host computer among said host computers;

each said host computer comprises preparation means for preparing the configuration change to said storage device by generating configuration setting information based on said first change information; and

said prescribed host computer comprises execution instruction means for instructing the configuration change to said storage device based on said second change information and said generated configuration setting information.

4. (original) The storage system according to claim 1, wherein said management computer comprises setting means for setting all or some of the parameters for generating said change information based on said storage configuration information that was acquired in advance.

5. (previously presented) The storage system according to claim 4, wherein the storage configuration relating to all or some of said parameters set with said setting means is protected.

6. (original) The storage system according to claim 1, wherein said management computer acquires the newest storage configuration information from said storage device when the configuration of said storage device is changed based on said change information.

7. (previously presented) The storage system according to claim 1, wherein said management computer posts the configuration change of said storage device to another host computer which is not a notification object of said change information but is associated with the configuration change of said storage device, the associated another host computer using said storage device to be changed.

8. (currently amended) A setting method for storage configuration information, which uses at least one host computer, at least one storage device for providing a memory device to said host computer, and a management computer for managing said storage device, said setting method comprising:

said management computer acquiring storage configuration information of said memory device that is provided to said host computer, said storage configuration

information comprising a logical volume identifier, a host computer identifier, a disk name, and a pair volume type recognized by said host computer;

said management computer generating change information for changing said acquired storage configuration information and posts the generated change information to said host computer; and

said host computer instructing a change of configuration to said storage device based on said change information posted from said management computer,

wherein said host computer uses said disk name and said logical volume identifier to send a read command and a write command relative to data inside a logical volume of said storage device,

wherein said management computer, based on information related to a pair logical volume selected by a user, generates a configuration setup file related to said pair volume type, said host computer identifier, and said disk name, and sends said configuration setup file to at least one host computer related to said generated configuration setup file,

wherein said management computer, subsequent to transmitting said configuration setup file, instructs said host computer, which is set in the configuration setup file so as to be associated with a primary logical volume, to generate a copy of said pair logical volume,

wherein said host computer, after receiving said instruction to generate said copy, instructs said storage device to commence copying from said primary logical volume to a secondary logical volume on a basis of the contents of said configuration setup file, and

wherein said management computer, subsequent to receiving a copying-complete report from said storage device, requests configuration information from inside said storage device and updates said storage configuration information based on said configuration information received in response to said request, the updated storage configuration information being related to the pair volume type inside the storage device.

9. (currently amended) A computer-readable storage medium having a program for controlling a management computer connected via a communication network to at least one host computer and at least one storage device for providing a memory device to said host computer, said program comprising:

code for acquiring in advance from said host computer storage configuration information that said host computer has, said storage configuration information comprising a logical volume identifier, a host computer identifier, a disk name, and a pair volume type recognized by said host computer;

code for generating change information for changing said storage configuration information that was acquired in advance and posting it to said host computer;
[[and]]

code for acquiring the newest storage configuration information from said storage device when the configuration of said storage device is changed by said host computer instructing the configuration change to said storage device based on said posted change information,

wherein said host computer uses said disk name and said logical volume identifier to send a read command and a write command relative to data inside a logical volume of said storage device,

code for, based on information related to a pair logical volume selected by a user, generating a configuration setup file related to said pair volume type, said host computer identifier, and said disk name, and sending said configuration setup file to at least one host computer related to said generated configuration setup file,

code for, subsequent to transmitting said configuration setup file, instructing said host computer, which is set in the configuration setup file so as to be associated with a primary logical volume, to generate a copy of said pair logical volume,

wherein said host computer, after receiving said instruction to generate said copy, instructs said storage device to commence copying from said primary logical volume to a secondary logical volume on a basis of the contents of said configuration setup file, and

code for, subsequent to receiving a copying-complete report from said storage device, requesting configuration information from inside said storage device and updating said storage configuration information based on said configuration information received in response to said request, the updated storage configuration information being related to the pair volume type inside the storage device.

10.-12. (canceled)

13. (previously presented) The storage system according to claim 1,
wherein

the storage system includes a plurality of host systems;

said storage configuration information includes volume information provided
by said storage device;

said management computer further comprises selection means for respectively
selecting pairs of primary volumes and secondary volumes based on the volume information
included in said storage configuration;

said change notification means is used for instructing the generation of
configuration setting information following said selected pairs of primary volumes and
secondary volumes to a selected host computer having the selected volume as said primary
volume and a selected host computer having the selected volume as said secondary volume,
and instructing a volume copy to any of said selected host computer; and

at least each of said selected host computers comprises means for generating
configuration setting information following said selected pairs of primary volumes and
secondary volumes, and means for instructing the volume copy to said storage device based
on the instruction.